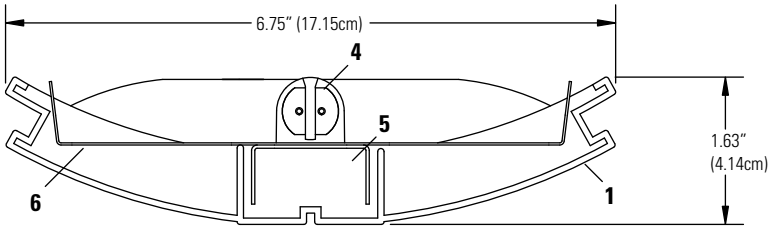
F7500 Series 1-Light T5 Solid
Armstrong® TechZone™ Compatible



Ordering Information

Family	Series	Type	Lamps	Color	Wattage	Voltage	Length	Options
F7	**5**	**1**	**1**					
	5 = Curved	**1** = Solid	**1** = 1 Lamp	**AL** = Aluminum **WH** = White	**1** = 28W **2** = 54W **4** = 28W EM **6** = 54W EM	**1** = 120v **2** = 277v	**4** = 4' (121.92cm) **8** = 8' (243.84cm)	**X4** = 4 Through Wires **X5** = 5 Through Wires

Complete Ordering Instructions below.

Features

1. **Housing:** Single piece of high purity extruded aluminum, a portion from recycled material.
2. **Housing End:** Die-cast aluminum, welded in place.
3. **End Cap:** Die-cast aluminum. Encloses the suspension cable and power feed cord for the end of the run.
4. **Lamps:** F28T5 or F54T5HO as specified. By others. Installed from the ceiling side of the luminaire.
5. **Ballast:** Electronic. Meets ANSI starting, end-of-life protection and sound rating specifications. Low THD. Maximum ballast size is 1.2" (3.05cm) wide by 0.625" (1.59cm) high.
6. **Reflector:** Die-formed specular aluminum.

Electrical

Connections: Pre-wired with 18 gauge wires and polarized cannon plug connectors for simultaneous mechanical/electrical connection.
Emergency Battery Pack: 90 minute operation, 700 lumens for 54W and 520 lumens for 28W.
Power Feeds: Standard 18/3 power feed is rated for 10 amps. X4 power feed is 18/4 and is rated for 7 amps. Observe amperage limitations and provide additional Intermediate Power Cables, as required. When providing an additional power feed, the through wiring from the previous module must be disconnected from the cannon plug and capped.

Factory installed ballast disconnect allows the ballast to be disconnected from and reconnected to incoming power under load without turning the entire circuit off.

Mounting

Cable suspension is on 48" (121.92cm) and 96" (243.94cm) centers and consists of a 4 1/2" (11.43cm) diameter canopy finished white enamel and a 1/16" (0.16cm) diameter stainless steel aircraft cable adjustable up to 36" (91.44cm).

Finish

Powder-coated, baked enamel, white or aluminum, as specified.

Labels

UL, cUL and I.B.E.W.

Ordering Instructions

Individual Fixtures:

1. Order one MODULE.
2. Order one POWER FEED END SET.

Continuous Rows:

1. Order the appropriate number of MODULES for the complete run.
2. Order one POWER FEED END SET.
3. Order one INTERMEDIATE CABLE SET per MODULE minus one.
4. For runs that exceed amperage limits, order the appropriate number of CABLE/CORD SETs.

Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

Notes:

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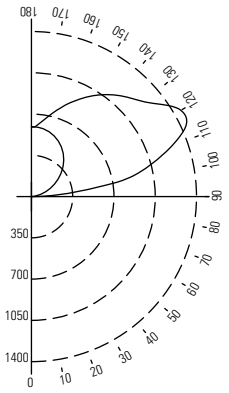
Performance

CANDLEPOWER CURVE



REPORT NO.: ITL54693.IES
LAMPS: 1-F54T5
LUMENS: 5000 each
EFFICIENCY: 90.1%
CAT. NO: F7511WH214

CANDLEPOWER

ZONE DEG.	0	22	45	67	90
	CANDELAS				
90	0	3	11	17	20
95	18	266	304	323	308
105	93	474	880	1013	1047
115	188	508	996	1363	1450
125	288	559	912	1222	1360
135	382	594	885	1098	1183
145	464	612	828	990	1055
155	528	614	755	856	900
165	570	607	672	720	742
175	591	593	600	605	611
180	590	590	590	590	590

COEFFICIENTS OF UTILIZATION

% EFFECTIVE CEILING CAVITY REFLECTANCE

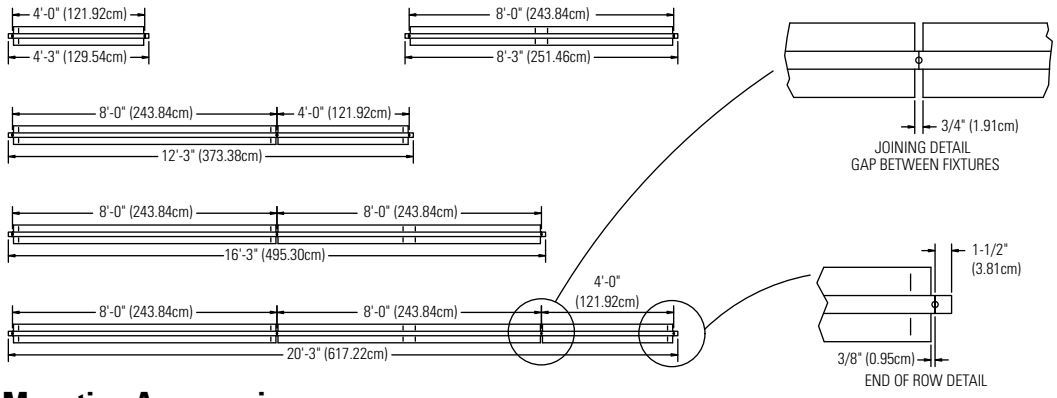
	80%			70%			50%		
	WALL REFLECTANCE								
ROOM CAVITY RATIO	50	30	10	50	30	10	50	30	10
0	86	86	86	73	73	73	50	50	50
1	74	71	68	64	61	59	44	42	41
2	65	60	56	56	52	48	38	36	34
3	57	51	46	49	44	40	34	31	28
4	50	44	39	43	38	34	30	26	24
5	44	38	33	38	33	29	26	23	20
6	39	33	28	34	28	24	23	20	17
7	35	29	24	30	25	21	21	17	15
8	32	25	21	27	22	18	19	15	13
9	29	22	18	25	19	16	17	14	11
10	26	20	16	22	17	14	16	12	10

20% FLOOR CAVITY REFLECTANCE

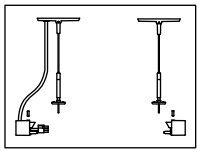
DISTRIBUTION

Zone	Lumens	% Lamp	%Luminaire
0 - 90	0	0.0	0.0
90 - 180	4503	90.1	100.0
0 - 180	4503	90.1	100.0

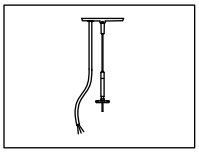
Fixture Lengths & Mounting Reflected (Plan View)



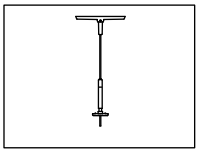
Mounting Accessories



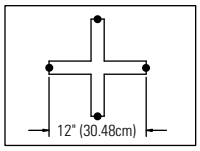
Power Feed End Set:
F7EC36WH = White
F7EC36AL = Aluminum
F7EC36WHX4 = White 4 Wire
F7EC36ALX4 = Aluminum 4 Wire
F7EC36WHX5 = White 5 Wire
F7EC36ALX5 = Aluminum 5 Wire



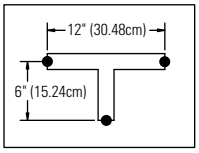
Intermediate Power Cable
F7CC36 = 3 Wire
F7CC36X4 = 4 Wire



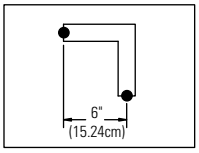
Intermediate Cable Set
F7C36



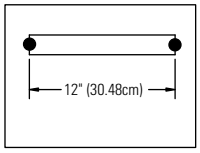
"X" Joiner Block
F7XWH = White
F7XAL = Aluminum



"T" Joiner Block
F7TWH = White
F7TAL = Aluminum



"L" Joiner Block
F7LWH = White
F7LAL = Aluminum



Inline Joiner Block
F7IL1WH = White 1' (30.48cm)
F7IL1AL = Aluminum 1' (30.48cm)
F7IL2WH = White 2' (60.96cm)
F7IL2AL = Aluminum 2'(60.96cm)
F7IL4WH = White 4' (121.92cm)
F7IL4AL = Aluminum 4' (121.92cm)
F7IL8WH = White 8' (243.84cm)
F7IL8AL = Aluminum 8' (243.84cm)

Job Information **Type:**

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